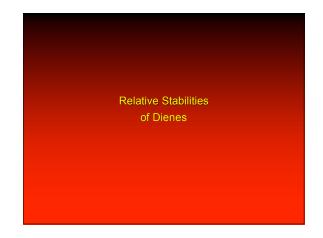
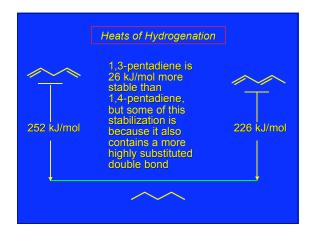
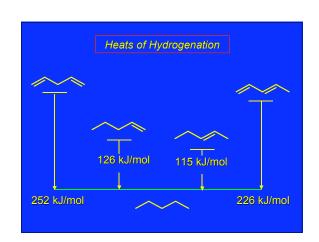
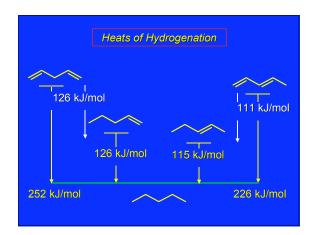


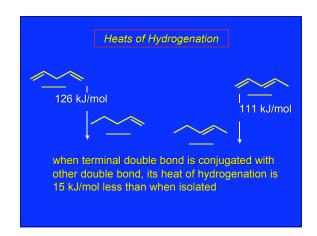
$$\begin{array}{c} H \\ C = C \\ C = C \\ H \\ C = C \\ H \\ C = C \\ H \\ C = C \\$$

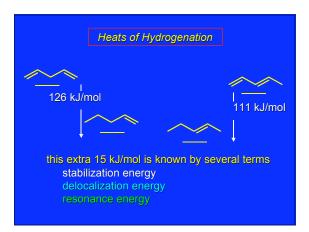


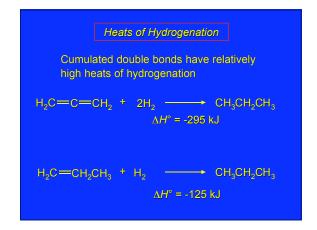


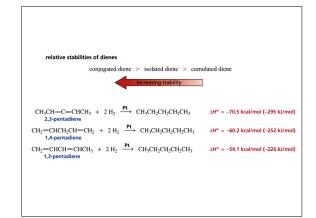












Compound	Hybridization	Bond length (Å)
H <sub>3</sub> C—CH <sub>3</sub>	$sp^3-sp^3$	1.54
н		
$H_3C$ $C$ $C$ $C$ $C$ $C$	$sp^3-sp^2$	1.50
$ \begin{array}{ccc} H & H \\  &   &   \\ H_2C = C - C = CH_2 \end{array} $ $ H_3C - C = CH $		
$H_2C = \dot{C} - \dot{C} = CH_2$	$sp^2-sp^2$ $sp^3-sp$	1.47
H <sub>3</sub> C−C≡CH	$sp^3-sp$	1.46
H		
$H_2C = \stackrel{\mid}{C} - C = CH$	$sp^2-sp$	1.43
$H$ $H_2C = C - C = CH$ $HC = C - C = CH$	sp-sp	1.37

